Approved For Release 2004/01/14 : CIA-RDP75B00285R060300120033-0

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OSA-2084-72

1 May 1972

MEM	IOR A	NDHM	FOR:
1417 141	IV IV	avioni	I OIL.

SUBJECT

: Procurement of Cardiac Defibrillator

- 1. This memorandum contains a recommendation for your approval. Such recommendation is contained in paragraph four (4).
- 2. Coronary artery disease is the most common cause of death in middle-aged American males. Many coronary thrombosis attacks would not be fatal if proper equipment were available immediately to control the electrical waves in the heart muscle in the initial few minutes. (Death is frequently caused by loss of control of contractions which renders the heart incapable of performing its function as a pump.)
- 3. In a situation where there are adequately trained medical personnel in a middle-aged community, it is considered necessary good practice to have such equipment available. For example, they are now placed in many Air Force Dispensaries as well as Hospitals.

4. It is recommended that be authorized to	25X1A
purchase necessary equipment as detailed in the attached	
sales' brochure in the amount of approximately	25X1A

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Cy 14/- w/ATT.

GROUP 1
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OSA-2084-72 Page 2

5. Supporting memorand and the Office of Medical Se	a from	Flight Surgeon	25X1
and the Office of Medical Se	rvices physic.		25X1
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Attachments As stated above			
APPROVED: //	2 MAY 1972		
C/AMS/OSA	Date (1 May 72)		
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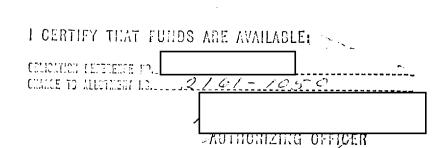
5. Supporting memor and the	anda from light Surgeon physician are attached.	25X1A
		25X1A
Attachments		
As stated above	9 MAY 1072	

Date

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Approved For Release 2004/01/14: CIA-RDP75B00285R000390120033-0

25X1MEMORANDUM	T0	

SUBJECT: Justification and request for purchase of Cardiac Defibrillator and Electrocardiograph.

- 1. Request funds be approved for purchasing an electrical cardiac defibrillator and ECG recorder attachment. This medical equipment is needed in the opinion of the Flight Surgeon for the following reasons:
- a. Coronary heart disease is epidemic in middle aged american males, particularly those in sedentary occupations. Myocardial infarction is the most common cause of death in this group. Ventricular fibrillaton is the most common complication in the first few minutes or hours of a heart attack. Current medical information firmly establishes the fact that many otherwise survivable heart attacks result in demise of the patient because of ventricular fibrillation. Electrical defibrillation is the treatment of choice and is usually life saving. Most of our personnel are in the 4th to 6th decade of life and are in the highest 25X1A risk group statistically.

b. The remote location of our unit from the nearest hospital would definitely prevent transport of a patient to the hospital for defibrillation in the critical 4 or 5 minutes before irreversible brain damage would occur.

- c. The current medico-legal trend is to require defibrillation capability in the smaller medical facilities as well as larger ones.
- d. The equipment requested was selected after evaluation of four competing brands. It is "second generation" equipment and has distinct improvements over earlier units. All of the equipment is highly portable and suitable for field or office use, here or on deployment.
- e. The ECG unit is requested because recording of arrhythimia prior to defibrillation is considered essential by several medical references (furnished on request). The unit is compatible with the defibrillator or can be used separately for ECG's in the field or on deployment.
- f. An additional risk to our people is cardiac fibrillation due to electrical shock from high voltage equipment in avionics and other shops.
- 2. The equipment requested is a product of Physiocontrol Corporation of Seattle, Washington and is sold and serviced by a local outlet, Medical Life Systems, Los Altos, Ca. 94022.

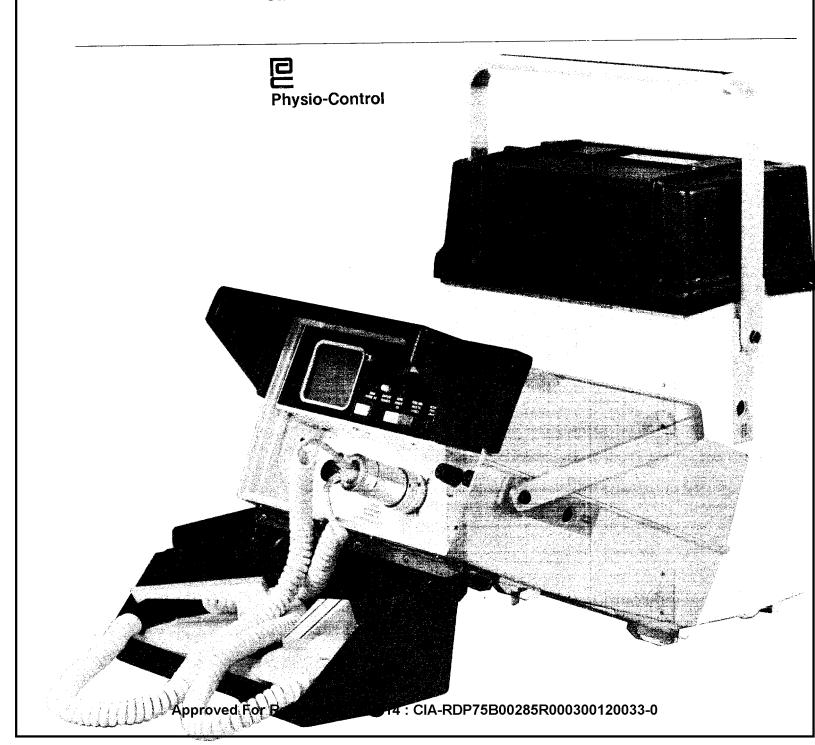
5X1	Lifepak/2 defibrillator with cardioversion Model 1073-04 ECG recorder TOTAL	\$2850.00 50.00 995.00 \$3895.00
Div	rector of Life Support	

TTACHMENT
Form 163a

25X1A

LIFEPAK

Over three years of field-proven performance by the LIFEPAK / 33 have led the way to a second generation of portable LIFEPAKS by PHYSIO-CONTROL. LIFEPAK 2 is smaller, lighter, more versatile and easier to use.



IFEPAK

No compromise, full capability **①. C. Defibrillator**

Five millisecond monophasic waveform produces up to 320 watt-seconds delivered energy (equivalent to 400 w.s. stored). Up to one hundred 320 watt-second pulses may be obtained without recharging battery. Continuously adjustable energy output level is displayed on an easy to read wattsecond meter. A built-in test circuit provides a quick method for checking the defibrillator output.

Built-in Cardioscope

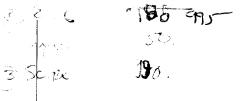
Large non-glare scope produces a clear ECG waveform engineered for a stable baseline and fast trace recovery from artifact or defibriltator pulses. Patented Quick-Look®* paddles permit monitoring the patient's ECG with the defibrillator paddles. This allows quick assessment of the patient's condition during an emergency, A standard 3 lead patient cable may be used for long term monitoring. A built-in synchronizer is optionally available for elective cardioversions.

Designed for the Operator

More than 3 years of experience with the LIFEPAK/33® have led to the development of an instrument that is exceptionally easy to use. Controls are located and labeled for maximum simplicity of operation. The paddle storage cover flips down to place the LIFEPAK 2 at an optimum viewing angle. Easily carried either open or closed. Front cover acts as a sun shield when used in brightly-lighted areas. A shoulder strap is available for hands-free carrying. Broad base provides stability when instrument is used on end.

Rugged construction

The case is constructed of a tough, impact-resistant, non-conductive material. Injection molding process provides high strength and rigidity.



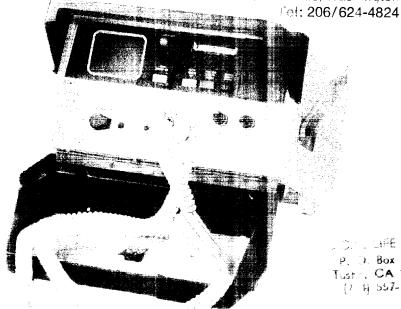
Reliable Power Source

Long-life rechargeable Nickel-Cadmium battery, field proven as a portable Defibrillator power source for more than three years in the LIFEPAK/33. Constant power at high or low use rates. Battery level indicator signals low battery. Standard Charge-Pak included Optional Mobile Charge-Pak is available for recharging the LIFEPAK 2 battery from vehicle power sources. Both chargers will provide emergency operating power for the LIFEPAK 2.

Optional ECG Modulator System

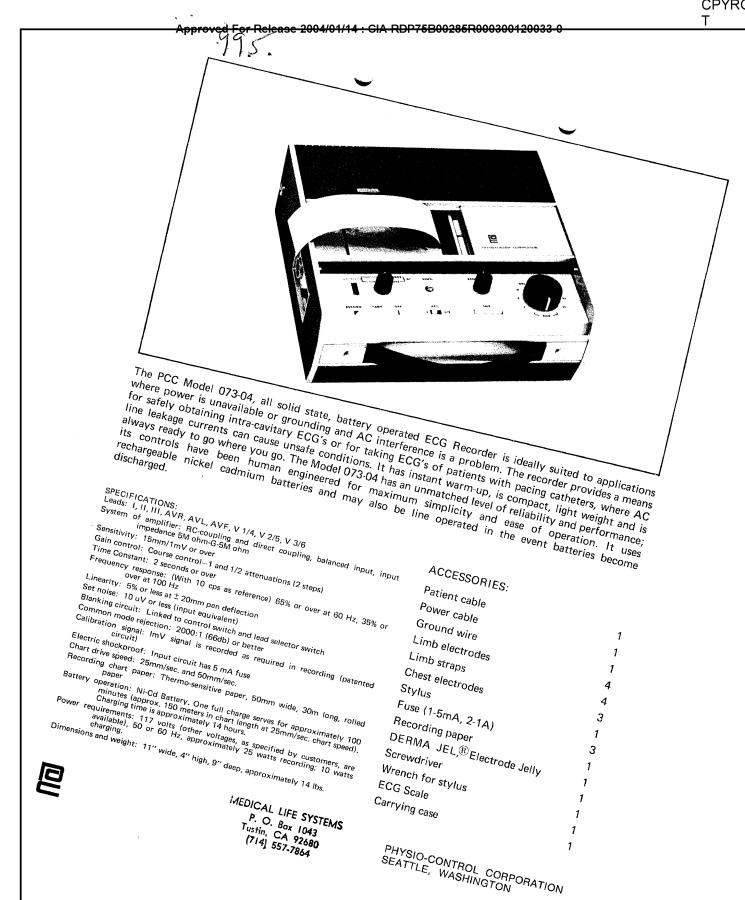
Provides for transmission of ECG signals via telephone or radio. The top mounted phone coupler accepts telephone or radio handsets. When outside noise level is high, the radio may be directly connected to the signal output. RF shielding is provided to minimize radio interference when used with portable radio transceivers. The system is compatible with most ECG modulator/demodulator systems now in use.

mysio-Control Corporation: 3607 Second Avenue Seattle, Washington 981.11



. LIFE TYSTEMS P. D. Box 1043 Tustic, CA 92680 (7 H 557-7864

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25X1A

27 April 1972

25X1A	MEMORANDUM TO:			AMS/OSA/DDS&T
	SUBJECT :	:	Cardiac Defibrilla	tors

The capability for direct current cardiac defibrillation is essential for successful resuscitation in the acute emergency. We have had experience using Physio-Control's LIFEPAK Defribillator and would strongly recommend their LIFEPAK 2, which is entirely portable, allowing "on the spot" defribillation. It also features a monitorscope which records continuous oscilloscopic display of ECG, with the defribillating paddles themselves being used as electrodes. The unit may also serve as a primary monitorscope using conventional electrodes for doing this monitoring.

Proper medical support for the management of catastrophic illness requires the presence of this type of equipment.

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